

Converting Colors

$Y_{xy}(37.8684, 0.5054, 0.3781)$

Have a look what the booklet for
Yxy(37.8684, 0.5054, 0.3781)
contains.

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Color

Yxy(37.7611, 0.5058, 0.3777)

Conversions

Conversions Part 1

Format	Color
Hex	FF824D
RGB	255, 130, 77
RGB Percent	100%, 51%, 30%
CMY	0.0000, 0.4902, 0.6980
CMYK	0.00, 0.49, 0.70, 0.00
HSL	18°, 100%, 65%
HSV	18°, 70%, 100%
XYZ	50.5681, 37.7611, 11.6473
YIQ	161.3330, 91.5130, 10.0170

Conversions

Conversions Part 2

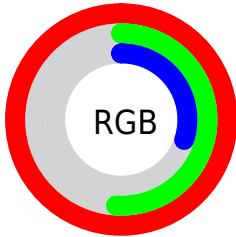
Format	Color
R _Y B	255, 152, 77
Decimal	16745037
CIE Lab	67.84, 43.75, 49.62
CIE LCh	68, 66.154, 48.595
Yxy	37.7611, 0.5058, 0.3777
Android (android.graphics.Color)	4294935117 (0xFFFF824D)
YUV	161.3330, -41.5762, 82.1460
Hunter-Lab	61.4501, 39.3524, 31.7772

Details

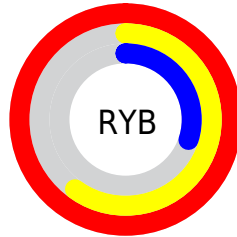
The Yxy color **37.7611, 0.5058, 0.3777** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **51.0504, 0.2160, 0.2611**, and the grayscale version is **35.9672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5164, 0.4215, 0.3880**, and **16.5981, 0.5565, 0.3755** is the 20% darker color. If you saturate the color by 10%, you get **33.1103, 0.5425, 0.3770**, and if you desaturate by 10%, it is **43.3790, 0.4682, 0.3745**.

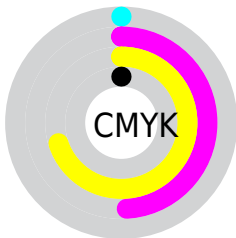
Distribution



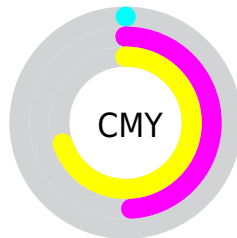
- Red (100%)
- Green (51%)
- Blue (30%)



- Red (100%)
- Yellow (60%)
- Blue (30%)



- Cyan (0%)
- Magenta (49%)
- Yellow (70%)
- Black (0%)





- Cyan (0%)
- Magenta (49%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7611, 0.5058, 0.3777 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 37.7611, 0.5058, 0.3777 by changing the saturation by 10% instead.


 37.7611, 0.5058,
0.3777


 37.7611, 0.5058,
0.3777


336.5940, 0.4084,
0.3624


 25.7973, 0.5286,
0.3779


 71.7418, 0.4712,
0.3747


 16.6721, 0.5563,
0.3759


 94.5276, 0.4578,
0.3728


 10.0010, 0.5898,
0.3696


 121.6894, 0.4465,
0.3709

 5.3996, 0.6397,
0.3603

 153.6117, 0.4367,
0.3690

 2.4836, 0.6761,
0.3239

 190.6790, 0.4282,
0.3672

 0.8684, 0.7337,
0.2663

233.2755, 0.4208,


 0.0000, 1.0000,


0.3655


0.0000


281.7857, 0.4142,
0.3639


 0.0000, 0.0000,
0.0000


 37.7611, 0.5058,
0.3777


 37.7611, 0.5058,
0.3777

 33.1103, 0.5425,
0.3770


 43.3790, 0.4682,
0.3745

 29.3709, 0.5748,
0.3715


 50.0234, 0.4327,
0.3685


 26.4664, 0.5996,
0.3619

 57.7429, 0.4008,
0.3609

 26.4152, 0.6001,
0.3617

 66.5843, 0.3730,
0.3527

 76.5911, 0.3492,
0.3444

 87.8049, 0.3292,
0.3364

100.0000, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.7611, 0.4779, 0.3111



37.7611, 0.5058, 0.3777



37.7611, 0.4721, 0.4464

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.7611, 0.5058, 0.3777



37.7611, 0.2240, 0.4266



37.7611, 0.2112, 0.1874

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



37.7611, 0.5058, 0.3777



51.0504, 0.2160, 0.2611

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



37.7611, 0.1649, 0.1938



37.7611, 0.5058, 0.3777



37.7611, 0.1690, 0.3150

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.7611, 0.5058, 0.3777



37.7611, 0.3083, 0.5052



37.7611, 0.1506, 0.2334



37.7611, 0.2910, 0.2081

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.7611, 0.5058, 0.3777



37.7611, 0.4259, 0.4870



37.7611, 0.1506, 0.2334



37.7611, 0.1920, 0.1863

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



37.7595, 0.5058, 0.3777



75.3248, 0.3519, 0.3454



30.9571, 0.3748, 0.2115



15.5143, 0.3582, 0.3476



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.7595, 0.5058, 0.3777



31.4318, 0.5568, 0.3752



71.1319, 0.4322, 0.4572



18.8682, 0.3287, 0.3361



14.0277, 0.5971, 0.3641



1.5465, 0.5751, 0.3816

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51.0504, 0.2160, 0.2611



45.0552, 0.2045, 0.2448



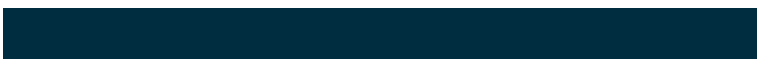
21.1925, 0.1874, 0.1454



19.5147, 0.2980, 0.3218



20.9126, 0.1969, 0.2287



2.2270, 0.2004, 0.2415

Previews

White Background



This preview shows how the Yxy color 37.7611, 0.5058, 0.3777 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 37.7611, 0.5058, 0.3777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.7611, 0.5058, 0.3777

Background



This preview shows how black text looks on a background with the Yxy color 37.7611, 0.5058, 0.3777.



This preview shows how white text looks on a background with the Yxy color 37.7611, 0.5058, 0.3777.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

37.7611, 0.5058, 0.3777

Protanopia

38.0610, 0.3974, 0.4326

Deuteranopia

38.0305, 0.4406, 0.4317



Tritanopia

37.6485, 0.4498, 0.3203

Trichromacy



Original Color

37.7611, 0.5058, 0.3777

Protanomaly

36.9937, 0.4370, 0.4111

Deuteranomaly

37.5081, 0.4656, 0.4106

Tritanomaly

37.6310, 0.4727, 0.3434

Monochromacy



Original Color

37.7611, 0.5058, 0.3777

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.0265, 0.3806, 0.3561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7611, 0.5058, 0.3777 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 130, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 77)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 130, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 77) }
```

Border

The CSS property to change the border of an element to Yxy 37.7611, 0.5058, 0.3777 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 130, 77) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 130, 77) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 130, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7611, 0.5058, 0.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 77) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
130, 77) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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